## **Product** Data Sheet

## P2X7-IN-2

Molecular Formula:

 Cat. No.:
 HY-18725

 CAS No.:
 1058709-63-9

Molecular Weight: 435.41

Target: P2X Receptor; Interleukin Related

 $C_{22}H_{21}F_4N_3O_2$ 

Pathway: Membrane Transporter/Ion Channel; Immunology/Inflammation

Storage: Please store the product under the recommended conditions in the Certificate of

Analysis.

## **BIOLOGICAL ACTIVITY**

Description	P2X7-IN-2 (compound 58) is a P2X7 receptor inhibitor. P2X7-IN-2 inhibits IL-I $\beta$ release with an IC <sub>50</sub> value of 0.01 nM. P2X7-IN-2 can be used for the research of autoimmunity, inflammation and cardiovascular disease <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC50: 0.01 nM (human whole blood IL-Iβ release) <sup>[1]</sup>
In Vitro	P2X7-IN-2 (0-1 $\mu$ M;30 min) inhibits human whole blood IL-I $\beta$ release with an IC <sub>50</sub> value of 0.01 nM <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

## **REFERENCES**

[1]. Kelly, Michael G, et al. Preparation of isoquinolonecarboxamides as P2X7 purinoceptor modulators and uses thereof. WO2008112205 A1. 2008.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA